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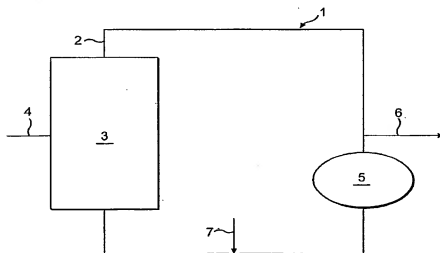
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(54) Title: TREATMENT OF CHEMICAL WASTE



(57) Abstract: A method for the treatment of gaseous chemical waste is provided. The water is continuously circulated through an essentially closed loop that incorporates a gas scrubbing unit and an ion absorption unit. The ion absorption unit comprises a water permeable ion absorbing means. The exhaust gas or a reaction product thereof is then fed to the gas scrubbing unit for dissolution in the circulating water thereby to form an aqueous solution containing ionic species derived from the exhaust gas. The circulating water is continuously brought into contact with the ion absorbing means in the ion absorption unit whilst an electrical potential is applied across the thickness of the ion absorbing means. A more concentrated aqueous solution of the ionic species is then removed from the ion absorbing means. A quantity of water corresponding to the quantity of aqueous solution of the ionic species removed from the ion absorption unit is continuously added to the closed loop.

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